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A portable oscillating device for a flow cytometer which oscillates an exterior surface of a flow cytometer nozzle as described in claim [28,] 29[, or 30] and further comprising a droplet shield coupled to said drop flow cytometer system between said exterior surface of said flow cytometer nozzle that forms droplets and an instrument surface of said flow cytometer system surface.

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Claim 57 (once amended).

A flow cytometer system as described in claim 5[7]6 and further comprising a oscillation parameter selection element which operates said energy converter at selectable oscillation parameters.

Claim 95 (once amended).

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A method of flow cytometry as described in claim [89, 90, or 93] 94 and further comprising the step of retaining said oscillation coupling element within said portable member cupping said exterior surface of said flow cytometer apparatus with a fluid retaining element having a first side affixed to said portable member and a second side which conforms to said exterior of said flow cytometer apparatus with said first side and said second side and said surface configured to cup said exterior surface of said flow cytometer apparatus.

96. A method of flow cytometry as described in claim [89, 90, 93, or 94] 89 and further comprising the step of selecting said mechanical oscillations created by said energy converter by selecting said parameter from an oscillation selection element.

99. A method of flow cytometry as described in claim [89, 90, 93, or 94] 96 and further comprising the step of sweeping a range of oscillations.

100. A method of flow cytometry as described in claim [89, 90, 93, or 94] 89 and further comprising the step of moving said portable member with an automated moving system.